

## US EPA REGION 6 START-3

(For Official Use Only)

### Latest Sampling Locations Map

Date Created:  
5/24/2010

UIC:  
R520

SCALE:

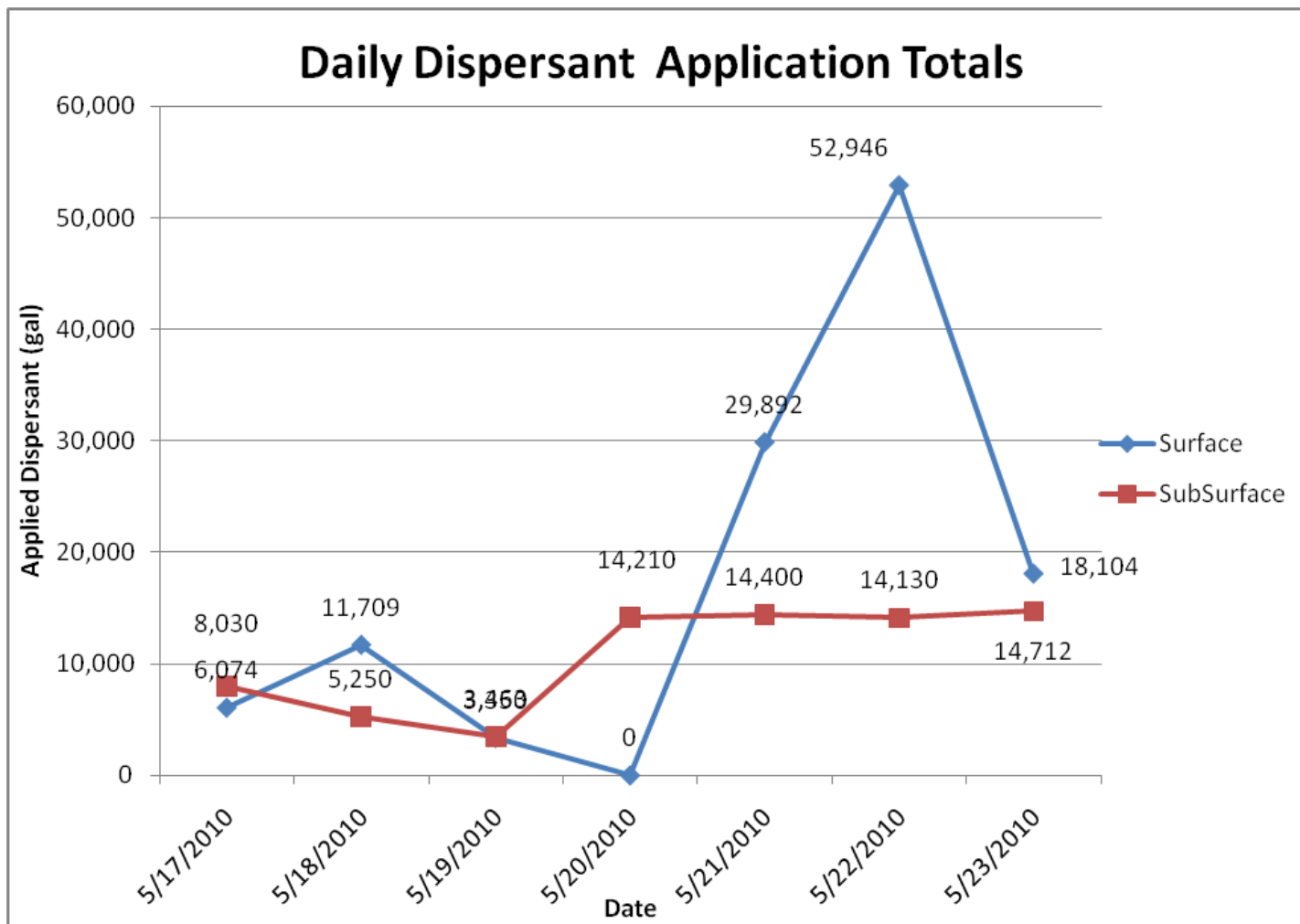


# Dispersant Application

	<b>TOTALS for Reporting Period (gal.)</b>	<b>TOTALS to date (gal.)</b>
<b>Surface</b>	18,104	704,958
<b>Subsurface</b>	14,712	116,471



# Dispersant Application Chart





# Samples

	<b>SUMMA Canisters</b>	<b>PQ200 (PM 2.5)</b>	<b>Water</b>	<b>Sediment</b>	<b>TOTALS for Reporting Period</b>	<b>TOTALS to date</b>
<b>Collected</b>	6*	6*	10	0	22	609
<b>Shipped</b>	0	0	10	0	10	572

\* Sample shipment delayed due to weekend (FedEx does not ship on Sunday); Samples collected on Saturday and Sunday will be shipped on Monday and reflected on that Sample Summary.





# Water Sampling



View of Chalmette water operations collecting a surface water sample on 5/23



# Air Monitoring Data

	CO (ppm)	H2S (ppm)	OXYs (%)	PM10 (ug/m3)	VOCs (ppm)
C02	-	-	20.8667	32.3056	0.1833
C04	-	-	20.9000	20.9849	0.2750
C05	-	-	20.9000	18.9481	0.9375
V02	0.6810	0.1000	21.1143	16.2958	0.1667
V03	1.1462	0.1115	21.1692	34.4917	0.2115
V05	0.3185	0.1037	21.0704	27.8125	0.2963

\* Data shown above is a 24-hour average

“-” indicates no data collected

## Action Levels:

VOCs = 10 ppm; OXY (Oxygen) = acceptable range 19.5-23.5%,

PM10 (particulates) = 150 ug/m3; H2S = 0.5 ppm; CO = 35 ppm

Note: Action Levels based on OSHA PEL (VOCs and OXY), ATSDR Risk-Based Exposure Levels (PM10), and NIOSH RELs (H2S and CO)





# Air Monitoring/Sampling

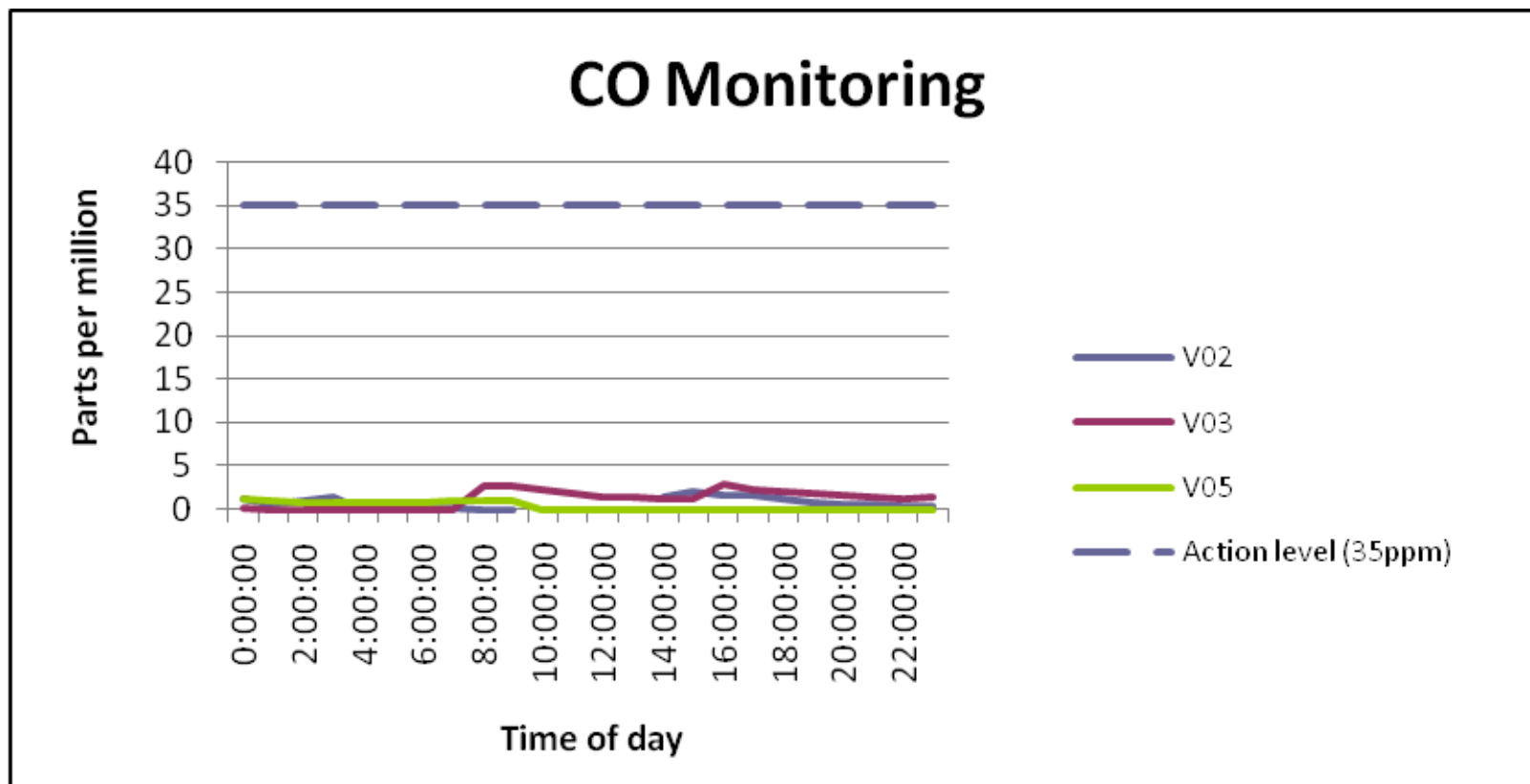


Air monitoring/sampling Location V03 in Venice, LA



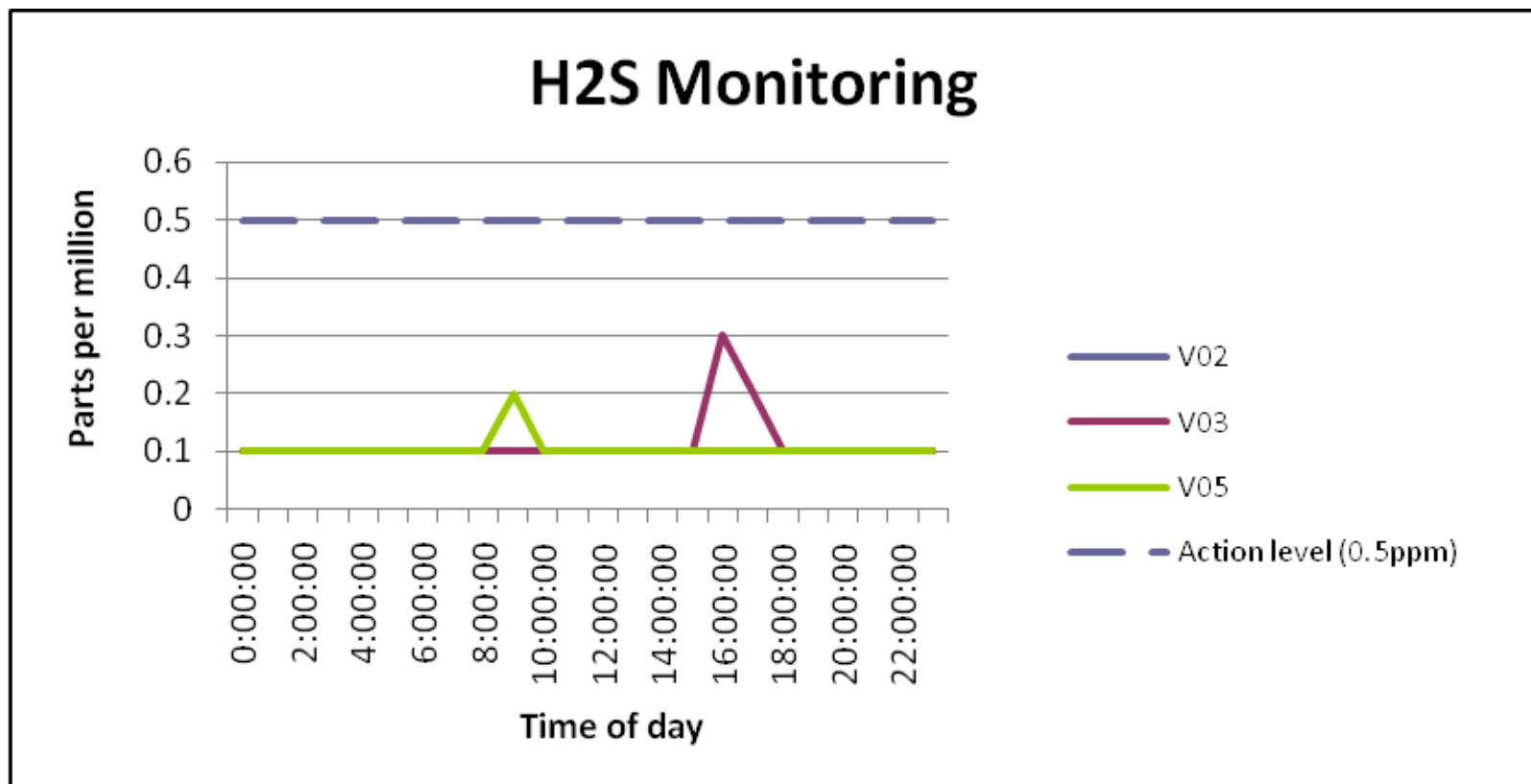


# CO Monitoring



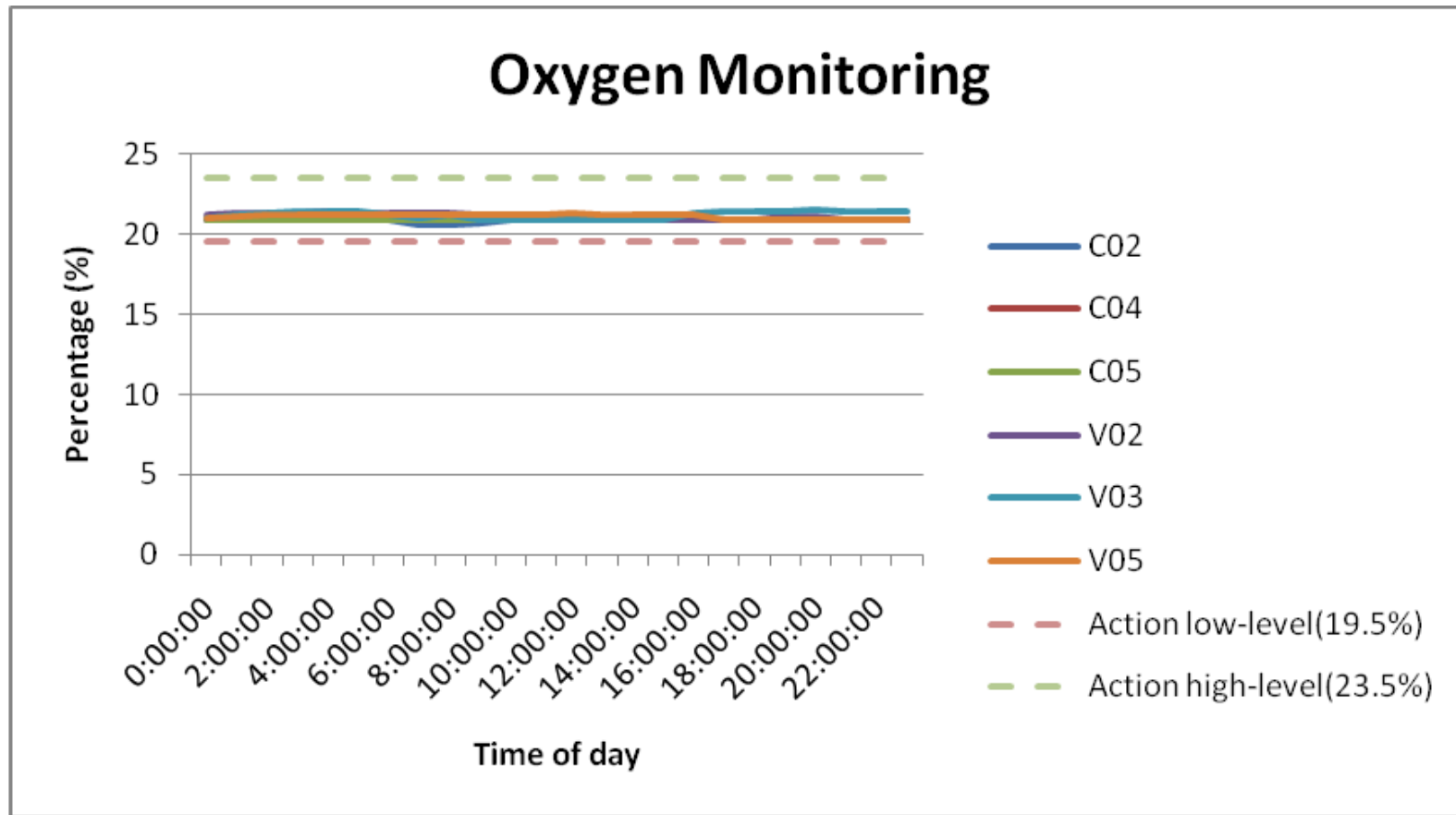


# H<sub>2</sub>S Monitoring



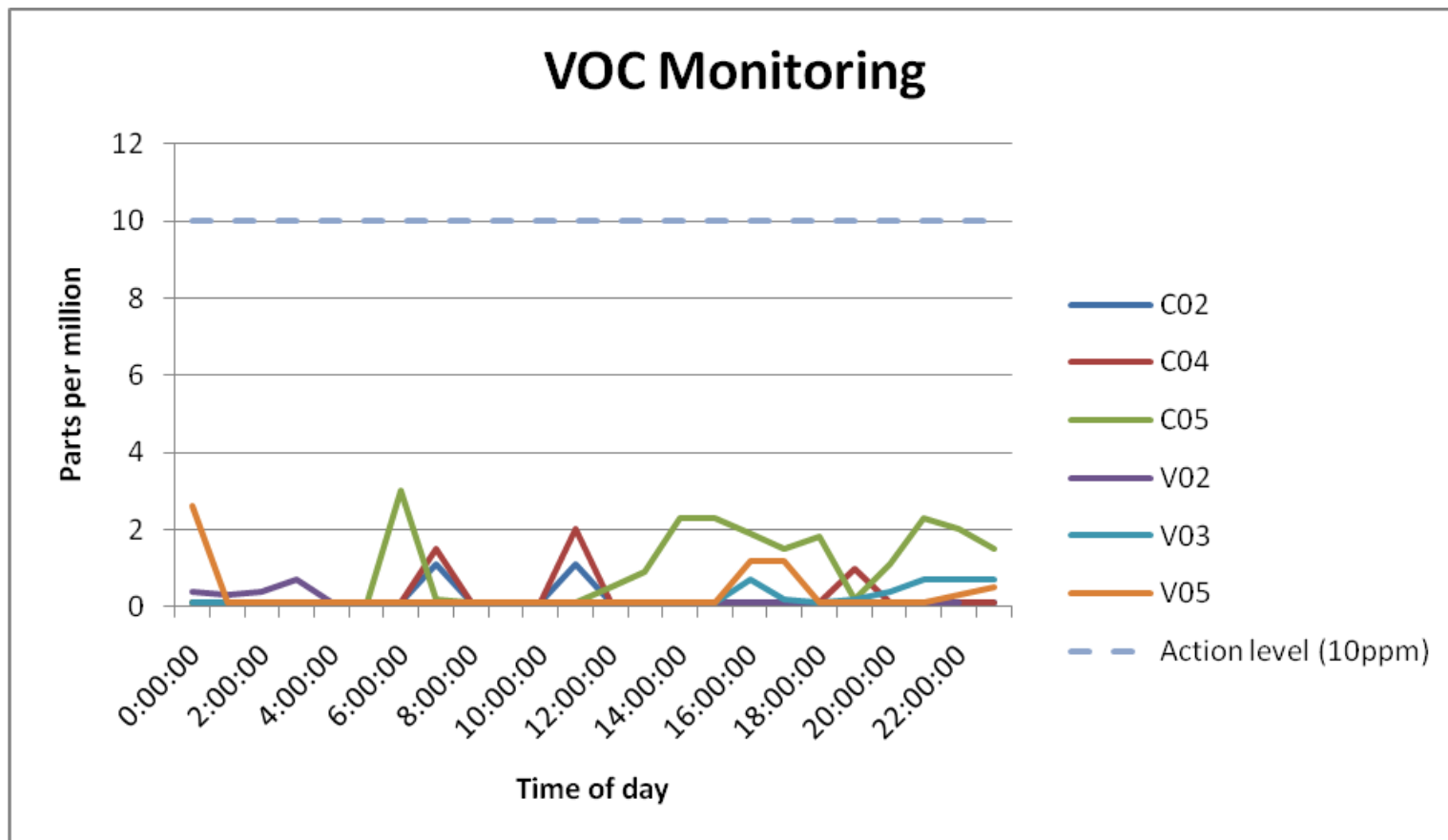


# Oxygen Monitoring





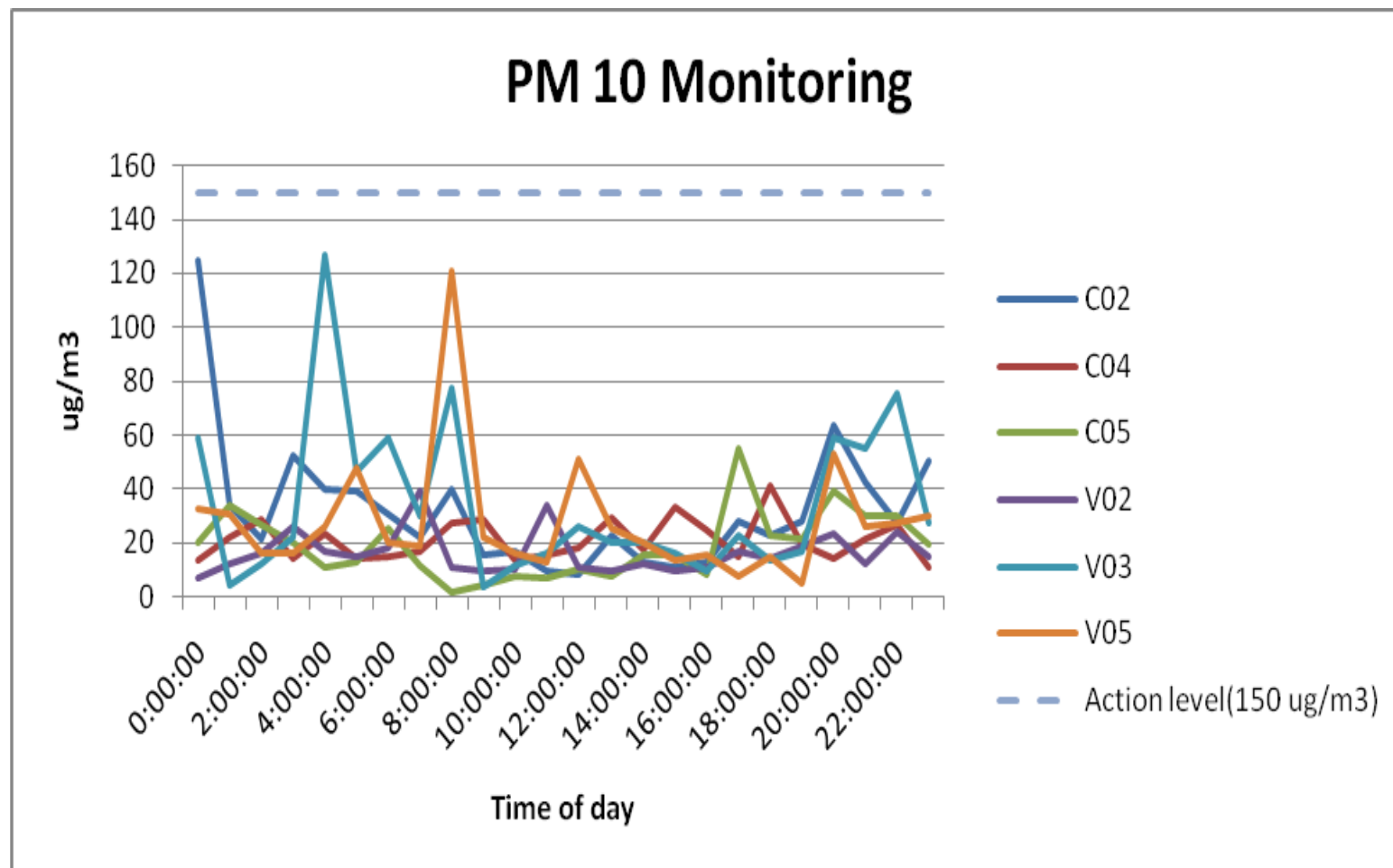
# VOC Monitoring







# PM 10 Monitoring





# Action Level Exceedences

- There are no air monitoring exceedences for this reporting period.

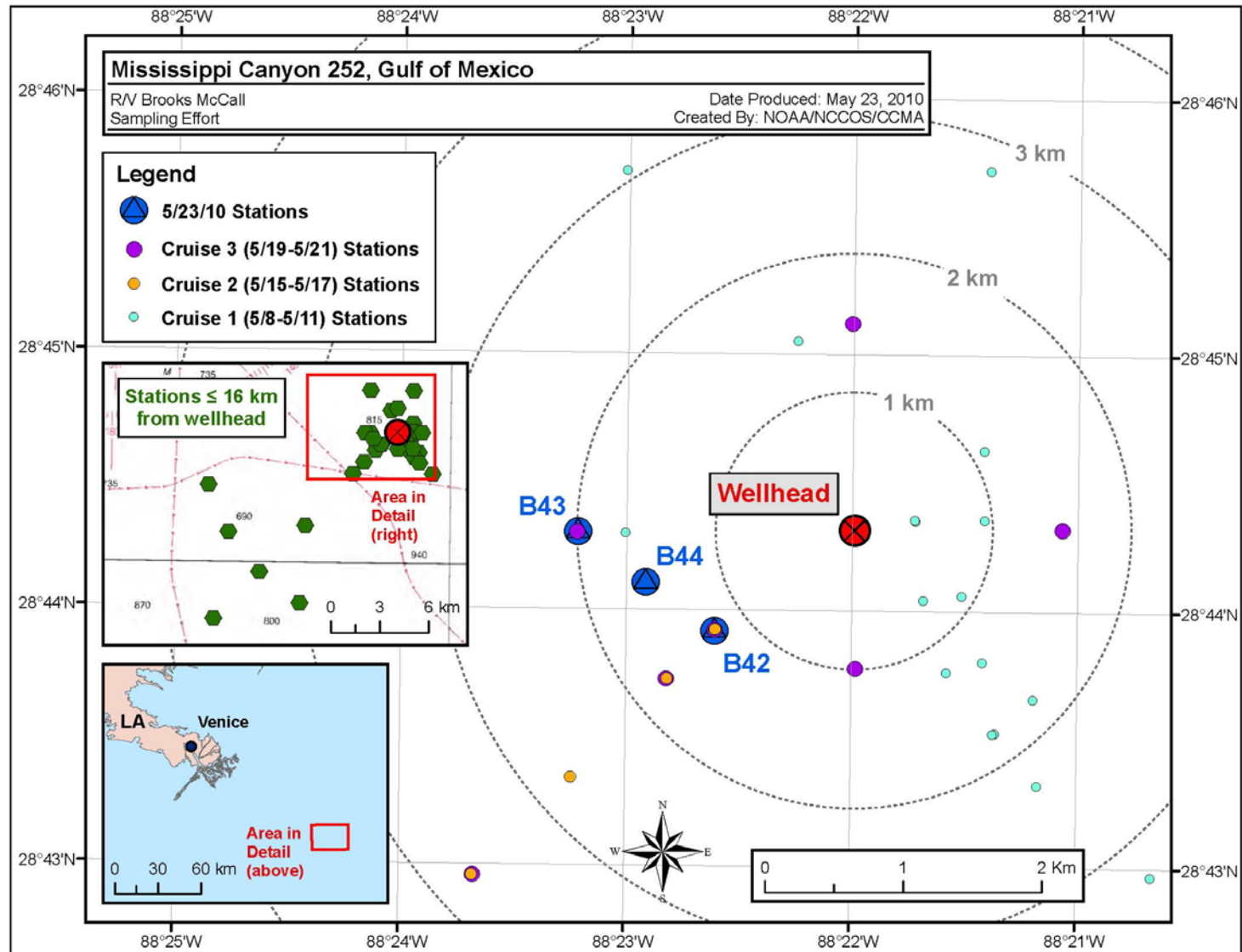


# Brooks McCall/Dispersant Summary

- On 5/24, the crew continued to investigate the presence and location of the deep plume west-southwest of the wellhead.
- Fluorescence data clearly showed the plume to be present at a depth between 800 and 1250 meters west-southwest of the wellhead at a distance of 2 km.
- The concentration of oil and thickness of the plume appeared greater than what was observed on 5/21.
- Dissolved oxygen values ranged between 3.2 and 7.2 mg/l. DO values from all 3 onboard sources compared well with the historical DO profiles from the Gulf.
- Five water samples were selected for Rototox bioassay toxicity testing on 5/23. Three water samples were collected within the deep plume at depths of 1050m, 1200m and 1050m, along with a surface sample and a clean sample from 600m. These tests should provide a good indication if toxicity exists within the plume.



# Brooks McCall Sampling Map







# ASPECT Summary

- On 5/23, ASPECT documented a fire approximately 150 miles southeast of Houma, LA. The fire started at 1307 and lasted approximately 40 minutes. No significant emissions were detected from the fire.
- On 5/23, ASPECT conducted a reconnaissance flight to locate oiled shoreline and beaches in the area south of Venice, LA near South Pass, LA. A large area of oiled beach was located at the mouth of the South Pass. IR, spectral and photographic data was collected.
- On 5/24, ASPECT began documentation of two fires located approximately 115 miles and 120 miles southeast of Chalmette, LA.



# Aspect Photograph



**Arial view of oiled beach at the mouth of the South Pass, located south of Venice, LA**



# TAGA Summary

- On 5/23, TAGA performed mobile monitoring for oil dispersant indicator compounds, OD-00 and OD-27, in Southern MS and AL from Stennis, MS to Dauphin Island, AL. All observed indicator compounds were associated with a point source.
- TAGA plans to perform mobile monitoring for oil dispersant indicator compounds, OD-00 and OD-27, on 5/24 in Southern LA.



# ACTION PLAN

for

5/24/2010

- The Brooks McCall vessel will continue operations on 5/24.
- Water sampling is planned for the Venice and Chalmette Water Operations.
- TAGA will conduct mobile monitoring in southern LA.
- ASPECT plans to collect data over oil burning operations and to conduct reconnaissance examinations of oiled shorelines.
- Air Samples will be collected from 6 locations